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Serial No.: 09/541,159
Filed: March 31, 2000

E30-043 (99-202)

In the Specification

Please amend the paragraphs beginning at page 7, line 10 as follows:

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In accordance with this invention, the seek time required for moving a disk head between first and second addresses includes a step of dividing the disk into a plurality of segments of a given sized defined by first and second boundaries and establishing an array of actual seek times for seek operations between each pair of segments. The specified first and second addresses and actual seek times in the array are combined to obtain an actual seek time for a seek between the first and second addresses.

In accordance with another aspect of this invention the seek time for a physical disk drive configured to store data in a plurality of logical volumes over a time interval is determined by dividing the physical disk into a plurality of fixed sized segments. Segment size is independent of the logical volume configuration on the physical disk drive. The actual time required for seek operations between the segments is obtained[by combining statistics about the number of disk accesses and characteristic seek times]. Access statistics for each logical volume during the time interval are accumulated and converted into an estimated number of seeks between each

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pair of logical volumes. A characteristic seek time for each logical volume pair is obtained based upon actual segment seek times. Then a total seek time is generated as the sum of the products, for each logical volume pair, of the characteristic seek time and the estimated number of seeks for the logical volume pair.
